

PAVLOV, L.N.

III. - THE THERMOPHILIC BACTERIA

Transmission from infected dairy chummed cattle to other cattle (solid).

SIMPSON: Pavlov

The Preparation of γ -Acetopropyl Alcohol from Mursfure's Resin.

specimens: V. ab.: V. s. luteo 'zovaniye pentosenov' erhabischege syn'yt., Riga, All LatvSSR, 1951 - 52.

22-21-1/2

DYKHANOV, N.N.; PAVLOV, L.N.

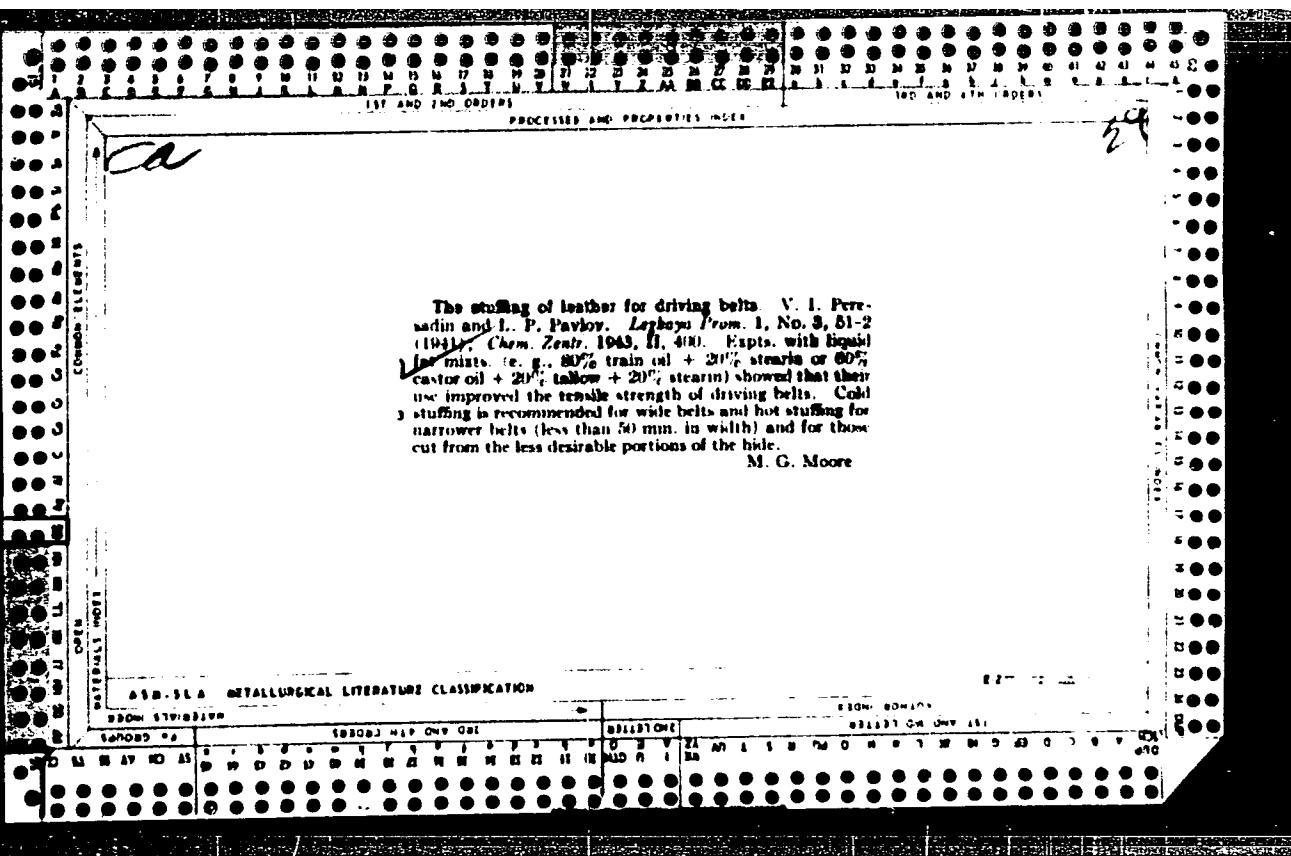
Synthesis of isonicotinoyl hydrazones of 2-acetyl furan and
2-methyl-5-acetyl furan. Zhur. ob. khim. 31 no. 7:2205-2206
Jl '61.

(MIRA 14:7)

1. Moskovskiy khimiko-farmatsevticheskiy zavod "Akrikhin."
(Isonicotinic acid) (Ketone)

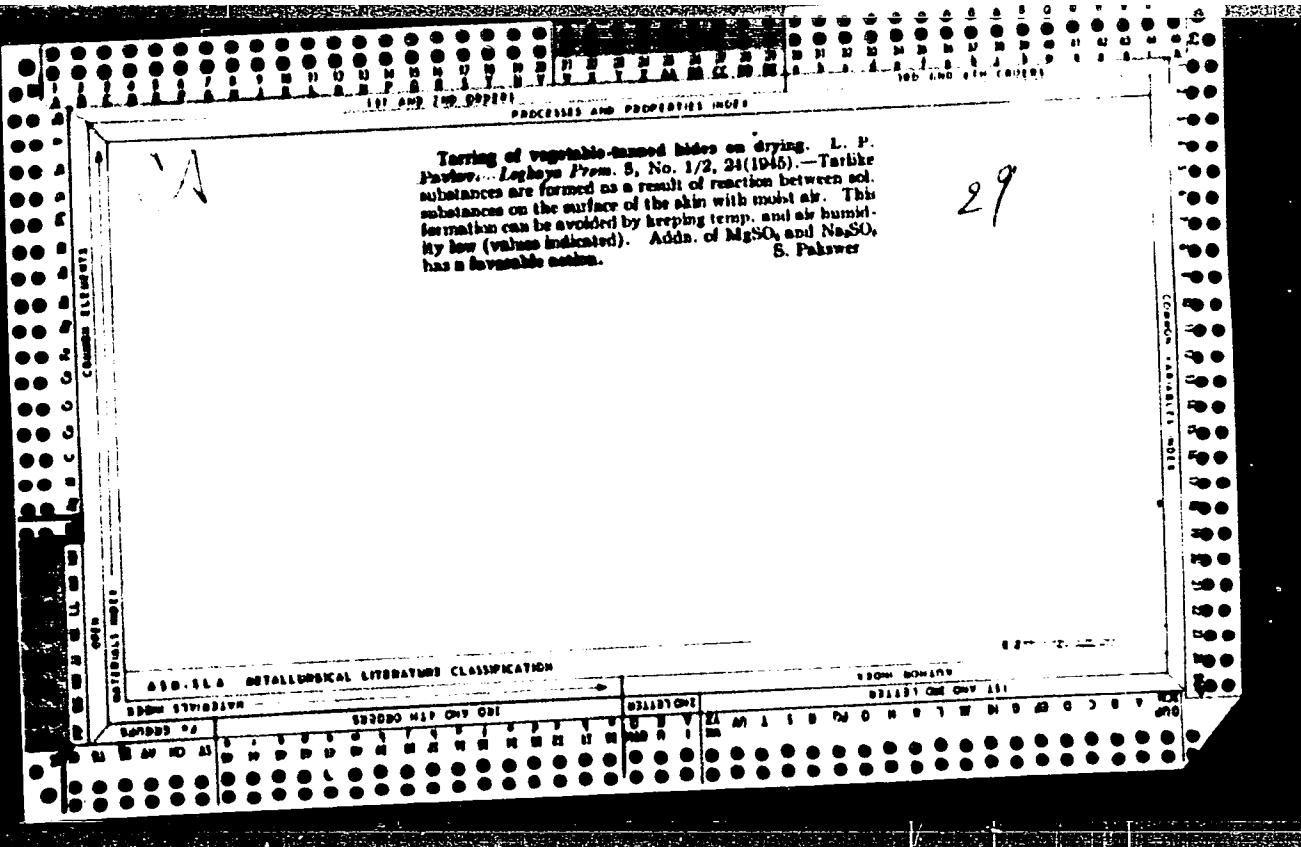
PAV-CV L. N.

Propionic acid from its esters. L. N. Pavlov and P. A. Gangrikhi, U.S.S.R. 104,770, Feb. 28, 1937. Propionic esters are saponified with NaOH or milk of lime. The saponifying agent is so added that at the end of the reaction the temp. is raised to the b.p. of the mixt. The resulting propionate is decomposed with H₂SO₄ and the free acid extd. with dichloroethane, CCl₄, or some other solvent and dried. *(class)*



Tanning of vegetable-tanned hides on drying. L. P. Pavlows. *Leather Prom.*, 9, No. 1/2, 24 (1945).—Tartaric substances are formed as a result of reaction between sol. substances on the surface of the skin with moist air. This formation can be avoided by keeping temp. and air humidity low (values indicated). Adds. of $MgSO_4$ and $NaSO_4$ is a favourable measure.

29



C.R.
1937

Jaworski and Glonec 27

Drying of inflexible leather in high-frequency electric field. L. P. Pavlov, A. V. Donskoi, and A. A. Trunkin. *Izdat. Prom. 11*, No. 3, 27 (1951). Properties of leather and some problems in high-frequency drying are discussed. During the initial period of drying, this method is less effective than the air-convection method. Efficiency can be improved by drying with an air stream during the initial stage and in a high-frequency field during the final stage; during the final stage the excess moisture is to be removed from the immediate space with a stream of heated air. Drying and power-balance curves are given.

B. Z. Kamich

1. PAVLOV, I. P., Eng.
2. USSR (600)
4. Leather Industry
7. Effect of drying conditions of the shrinkage of hard leather.
Leg.prom. 12 no. 11 1952

9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

PAVLOV, I. P.

Three-stage tanning of stiff leather. Leg.prom.15 no.1:13-15 Ja '55.
(MLRA 8:3)

1. Glavnnyy inzhener zavoda im. Radishcheva.
(Tanning)

AUTHORS: Mikhant'yev, B. I., Pavlov, L. P. SOV/156-58-4-57/49

TITLE: The Cyclic Acetals of the Isomeric Hydro Benzoin
(Tsiklicheskiye atsetali izomernykh hidrobenzoinov)

PERIODICAL: Nauchnyye doklady vysshey shkoly. Khimiya i khimicheskaya
tekhnologiya, 1958, Nr 4, pp 757-758 (USSR)

ABSTRACT: In the interaction of meso and rac. hydro benzoin with simple
vinyl ester, cyclic acetals (meso hydro benzoin acetal and
rac. hydro benzoin acetal) are formed. The syntheses of the
initial products of rac. hydro benzoin with a yield of 45-50%
and meso hydro benzoin with a yield of 37.5% are described in
detail. The elementary analysis of the cyclic acetals was
carried out and the empirical formula was given. During
hydrolysis the acetals are converted into the initial hydro
benzoin. The cyclic acetal of the meso hydro benzoin was
prepared in a yield of 70.8%. After a double crystallization
from alcohol, cyclic acetal was separated in the form of fine-
needled crystals. The crystals have their melting point at
43.5-44, boiling point at 103-104°C and refractive index
 $n_D^{20} = 1.5562$, density $d_D^{20} = 1.1021$. The compound is easily
Card 1/2

SOV/156-48-4-37/49

The Cyclic Acetals of the Isomeric Hydro Benzoin

soluble in ester and alcohol, insoluble in water and unstable in air. The preparation of the cyclic acetal of the rac. hydro benzoin gave a yield of 22.8%; it is colorless, scentless and liquid. The boiling point is at 105-106°C and the refractive index is $n_D^{20} = 1.5570$. The compound mixes with ordinary organic solvents and decomposes in air. There are 8 references, 4 of which are Soviet.

ASSOCIATION: Kafeira khimii vysokomolekulyarnykh soyedineniy Voronezhskogo gosudarstvennogo universiteta (Chair of Chemistry of the Compounds of High Molecular Weight at the Voronezh State University)

SUBMITTED: January 17, 1958

Card 2/2

PAVLOV, L.P.

~~Dampening~~ of hard leather after drying. Leg.prom. 18 no.6:21-23
Je '58. (MIRA 12:10)

1. Glavnnyy inzhener zavoda im. Radishcheva.
(Leather--Equipment and supplies)

KRASUKHIN, M.N., PAVLOV, L.P.; RUBAKHIN, V.N.; TORSUYEV, V.N.

Improve the quality of willow liquor. Leg.prom. 18 no.10:27-30
0 '58. (MIRA 11:11)
(Tanning materials) (Willows)

PAVLOV, A. P.

79-2-45/64

AUTHORS: Mikhsant'yev, B. I., Pavlov, L. P.

TITLE: Vinylization of Hydrobenzoin. I (Vinilirovaniye hidrobenzoina. I.)

PERIODICAL: Zhurnal Obshchey Khimii, 1958, Vol. 28, Nr 2, pp. 487-488 (SSSR)

ABSTRACT: The major part of the more simple vinyl ethers is obtained according to A. Ye. Favorskiy and M. F. Shostakovskiy (ref. 1). The vinylization of fatty aromatic and aromatic alcohols with some hydroxyls is less known. The present paper shows a synthesis of mezo-a,a'-divinyldioxydibenzyl from acetylene and hydrobenzoin hitherto not yet described in technical literature. A direct vinylization was carried out in an autoclave, at a maximum pressure of 60 atm. and a temperature of 130-135°C for 6 hours. The hydrolytic oxyimation and the quantitative hydration of the product obtained indicated two vinyl groups. Mezo-a,a'-diethoxydibenzyl was obtained from the product by hydration in the presence of nickel. There are 5 references, 3 of which are Slavic.

ASSOCIATION: Voronezh State University (Voronezhskiy gosudarstvenny universitet)

Card 1/2

Vinyllization of Hydrobenzoin.I.

79-2-45/64

SUBMITTED: January 28, 1957

AVAILABLE: Library of Congress

Card 2/2

SOV/79-29-4-41/77

5(3)

AUTHORS:

Mikhant'yev, B. I., Pavlov, L. P.

TITLE:

Synthesis of α -Vinyloxydibenzil (Sintez α -viniloksidibenzila)

PERIODICAL:

Zhurnal obshchey khimii, 1959, Vol 29, Nr 4, pp 1230-1231 (USSR)

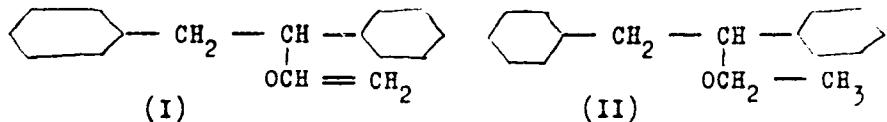
ABSTRACT:

In the vinylation of hydroxy compounds of the diphenylethane series with acetylene by the method developed by A. Ye. Favorskiy and M. F. Shostakovskiy (Ref 1) the authors obtained the vinyl ether of α -oxydibenzil (of phenylbenzylcarbinol) (I). It was found that the affiliation of acetylene in the presence of caustic potash takes place at a satisfactory velocity at 160-170°. As a by-reaction at this temperature the water splits off from α -oxydibenzil, and stilbene is formed, as had already been pointed out in previous publications (Ref 2). Vinyl ether and the ethyl ether of α -oxydibenzil (II) obtained from vinyl ether by hydrogenation over the skeleton nickel catalyst decompose, like the initial alcohol, during normal distillation as well as when heated with a 20-30% sulphuric acid solution. In either case the stilbene yield is satisfactory (Refs 2-4).

Card 1/2

Synthesis of α -Vinyloxydibenzil

SOV/79-29-4-41/77



The experiments carried out so far proved the capability of α -vinyloxydibenzil of polymerizing under the influence of the ether compound $(CH_3)_2O \rightarrow BF_3$, (\rightarrow denotes the semipolar bond) into viscous and solid resins. Ethyl ether can be easily brominated. During this process hydrogen bromide is removed. Thus α -vinyloxydibenzil was synthesized from acetylene and α -oxydibenzil, and α -ethoxydibenzil was obtained by hydrogenating the former. There are 6 references, 1 of which is Soviet.

ASSOCIATION: Voronezhskiy gosudarstvennyy universitet (Voronezh State University)

SUBMITTED: March 1, 1958

Card 2/2

PAVLOV, L. P.

Further discussion of the problem of wetting stiff leather after
drying. Kozh.-obuv.prom. 2 no.4:25 Ap '60. (MIRA 13:9)

1. Glavnnyy inzhener zavoda imeni Radishcheva.
(Leather)

PAVLOV, L.P.; RUBAKHIN, V.N.

Effect of the proportional makeup of tanning agents on the wear
resistance indices of stiff leather. Kozh.-obuv.prom. 2
no.6,23-25 Je. '60. (MIRA 13:9)
(Tanning)



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HEREIN IS UNCLASSIFIED

DATE 10-10-01 BY SPK

REF ID: A6570

ALL INFORMATION CONTAINED

HEREIN IS UNCLASSIFIED

DATE 10-10-01 BY SPK

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DATE 10-10-01 BY SPK

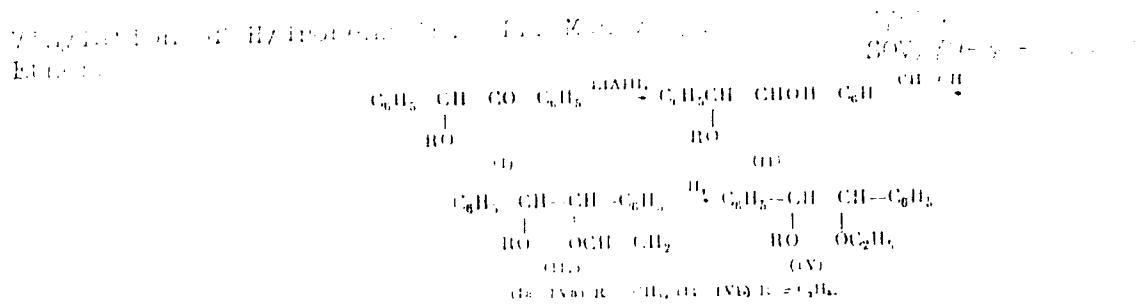
REF ID: A6570

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DATE 10-10-01 BY SPK

REF ID: A6570



Ward, 1990; Ward et al., 1990).

polymerization of Hydrobenzoin. II. Monomer
Effect

77359
SOV/77-39-1-10

Initiator (initiation period was 1.5-2 hours in most cases). The table below shows the data on the new polymers. There are 1 tables; and 10 references, 5 Soviet, 2 German, 3 U.K., and 2 U.S. The U.K. and U.S. references are: J. C. Irwine, J. Weir, J. Chem. Soc., 91, 1334 (1907); J. C. Irwine, D. McNeall, J. Chem. Soc., 93, 1601 (1907); C. L. Stevens, M. L. Weiner, R. C. Freeman, J. Am. Chem. Soc., 75, 3977 (1953); Brit. Patent 707301 (1954); Ch. A., 48, 157 (1954).

INSTITUTION: Voronezh State University (Voronezhskiy gosudarstvennyi universitet)

SUPERMITTED: January 31, 1959

Copy 34

Hydrobenzoin. II. Monovinyl
Ethers

77859
SOV/79-30-2-10,1.

* Soluble in ether, benzene, dioxan, he. Insoluble in water, methyl, and ethyl alcohol.

NAME & FORMULA OF COMPOUND	NO. OF ISOMER	YIELD (%)	FOUND			CALCULATED		SPECIFIC VIS- COOSITY OF 1% IN BENZENE	TEMPERATURE OF VISCOSITY MEASUREMENT
			% C	% H	M.p. (K & $^{\circ}\text{C}$)	% C	% H		
α - ((HYDROXYMETHOXY VINYL) ETHYL ETHER) ($\text{C}_{15}\text{H}_{20}\text{O}_2$) _n	1	21.6	79.82, 80.12	7.42, 7.08	104.3	80.28	7.13	0.0286	39-45 $^{\circ}$
	2	49.4	80.01, 79.77	7.11, 7.10	105.8			0.0198	17-25
β - ((HYDROXYMETHOXY VINYL) ETHYL ETHER) ($\text{C}_{15}\text{H}_{20}\text{O}_2$) _n	1	14.1	80.47, 80.67	7.35, 7.22	129.3	80.36	7.51	0.0345	41-48
	2	54.3	80.54, 80.10	7.60, 7.60	876.8			0.0235	22-27

MIKHANT'YEV, B.I.; PAVLOV, L.P.

Acetals of hydrobenzoin ethers. Zhur. ob. khim. 31 no. 11:3643-
3646 N '61. (MIRA 14:11)

1. Voronezhskiy gosudarstvennyy universitet.
(Hydrobenzoin) (Ethers)

MIKHANT'YEV, B.I.; LAPENKO, V.L.; PAVLOV, L.P.

Vinylation of mannitol and its aceto derivatives. Zhur.ob.khim.
32 no.8:2505-2508 Ag '62. (MIRA 15:9)

1. Voronezhskiy gosudarstvenny universitet.
(Mannitol) (Vinylation)

SHALIMOVA, K.V.; ANDRUSHKO, A.F.; DMITRIYEV, V.A.; PAVLOV, L.P.

Effect of the conditions of producing thin cadmium sulfide films
on their crystalline structure. Kristalografija 8 no.5:774-777
S-0 '63. (MIRA 16:10)

1. Moskovskiy energeticheskiy institut.

KOZULIN, N.A.; PAVLOV, L.N.

Hydraulic resistance of a layer of crushed bauxite cake during the
process of counterflow leachine. Tsvet. met. 37 no.6:33-38 Je '64.
(MIRA 17:9)

MIKHANT'YEV, B.I.; PAVLOV, L.P.; LAPENKO, V.L.

Halogenated ethers of hydroxybenzoin. Zhur.ob.khim. 32 no.6 1798-1801
Je '62. (MIRA 15:6)

1. Voronezhskiy gosudarstvennyy universitet.
(Benzoin) (Ethers)

ACCESSION NR: AP4013487

S/0181/64/006/002/0351/0353

AUTHORS: Shalimova, K. V.; Pavlov, L. P.; Karetnikov, I. A.

TITLE: Structure of the spectra of the photocurrent in polycrystalline layers of cadmium sulfide

SOURCE: Fizika tverdogo tela, v. 6, no. 2, 1964, 351-353

TOPIC TAGS: photocurrent, polycrystalline layer, cadmium sulfide, modulated light, continuous light, semiconductor

ABSTRACT: This paper contains the results of investigations in the visible part of the spectrum. Experiments were made at room temperature and at the temperature of liquid nitrogen in both continuous and modulated light. Temperatures in the sublayer were varied from 200 to 500°C. It was found that fine structure of the photocurrent spectrum is observed only in samples prepared on a sublayer with a temperature above 300°C (sublayer temperatures were increased by intervals of 100°C). The higher the temperature of the sublayer at the moment of sublimating the film, the sharper the structure. Maximums in the fine structure of photocurrent correspond exactly to minimums in the absorption structure. Maximums of

Cord 1/2

ACCESSION NR: AP4041741

S/0181/64/006/007/2209/2212

AUTHORS: Shalimova, K. V.; Pavlov, L. P.; Rezvy^{ty}, R. R.

TITLE: Space charge limited currents in polycrystalline cadmium sulfide films

SOURCE: Fizika tverdogo tela, v. 6, no. 7, 1964, 2209-2212

TOPIC TAGS: cadmium sulfide, thin film, space charge density, carrier mobility, current emission

ABSTRACT: In view of the lack of published data on the subject, the authors plotted the current-voltage characteristics of thin polycrystalline films produced by evaporating pure CdS powder in a vacuum of 10^{-5} mm Hg on glass substrates coated with gold or with lead dioxide. No definite comparison with theory could be made for the characteristics plotted at negative polarity using gold electrodes, which usually are barrier electrodes for CdS single crystals.

Card 1/4

ACCESSIN NR: AP4041741

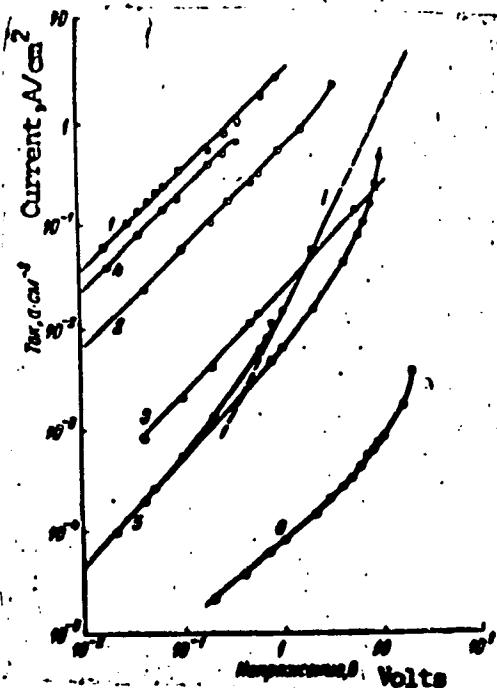
ENCLOSURE: 01

Current-voltage characteristic of
CdS films: 1, 2, 3 - sputtered,
4, 5, 6 - annealed in air.

Resistivity (ohm-cm) and thickness
(microns): 1 - 2.7×10^2 , 10.4;
2 - 2.3×10^3 , 7.1;
3 - 5.4×10^4 , 10;
4 - 5.7×10^2 , 10.4;
5 - 2.6×10^3 , 7.7;
6 - 1.4×10^7 , 10.

I - theoretical characteristic

Card 3/4



ACCESSION NR: AP4041741

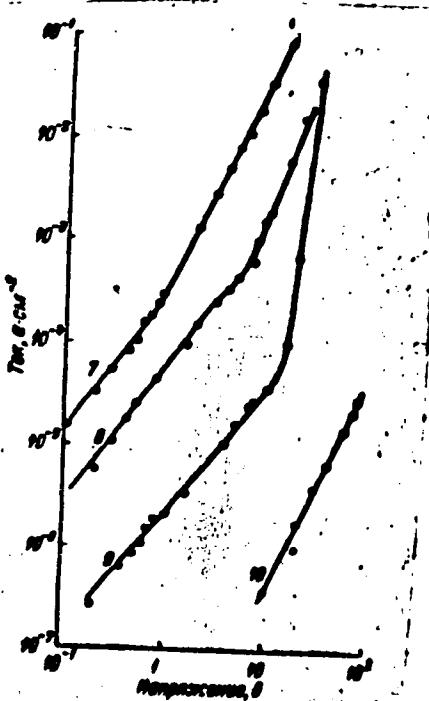
ENCLOSURE: 02

Current-voltage characteristics
of silver-doped CdS films

Resistivity (ohm-cm) and
thickness, respectively:

- 1-6 - same as in Enc. 01
- 7 - 1.3×10^7 , 5.1;
- 8 - 3.8×10^7 , 4.4;
- 9 - 1.2×10^8 , 9.7;
- 10 - 10^{11} , 2.5

Card 4/4



ACCESSION NR: AP4039405

S/0070/64/009/003/0418/0419

AUTHORS: Shalimova, K. V.; Andrushko, A. F.; Dmitriyev, V. A.; Pavlov, L. P.

TITLE: Crystal structure of CdS films deposited on glass and metal backing and further subjected to heat treatment

SOURCE: Kristallografiya, v. 9, no. 3, 1964, 418-419

TOPIC TAGS: sputtered film, metal backing, cadmium sulfide, cubic phase, hexagonal phase, annealing, heat treatment

ABSTRACT: The authors found that layers of CdS sputtered on films of gold exhibit inhomogeneous phases. With backing temperatures of 200-350C, both hexagonal and cubic phases were observed, whereas films deposited on glass showed the two modifications at temperatures only up to 250C. From this it seems obvious that the gold affects the phase composition. These films have mosaic structure of the two phases, with the cubic phase making up as much as 30%. The hexagonal crystals lie with the (0001) face parallel to the backing; the cubic crystals with the (111) face parallel to the backing. Samples heated above 350-400C have the hexagonal phase with no detectable orientation, differing from the relationship on glass backing. For short-period annealing (0.5-1 hr), structural changes occurred only on heating above

Cord: 1/2

ALEKSANDROV, A.A.; FRIDMAN, B.I.[deceased]; PAVLOV, L.P., reteenzent;
MASHNIKOV, Ye.M., nauchnyy red.; GRACHEVA, A.V., red.; SHVETSOV,
S.V., tekhn. red.

[Handbook of master worker in the saddle and industrial leather
industries] Spravochnik mastera proizvodstva shorno-sedel'nykh i
tekhnicheskikh kozh. Moskva, Izd-vo nauchno-tekhn.lit-ry
RSFSR, 1961. 411 p. (MIRA 15:1)

(Leather)

LEVENKO, Petr Ivanovich; PAVLOV, L.P., inzh., retsenzent;
KNAKHOVSKAYA, L.M., red.

[Synthetic dubbing products and their derivatives in the
leather and fur industry] Sinteticheskie zhiruiushchie
materialy i ikh proizvodnye v kozhevennoi i mekhovoi pro-
myshlennosti. Moskva, Legkaia industriia, 1965. 193 p.
(MIRA 18:7)

L 24365-66 ENT(1)/ENT(n)/ENT(n)-2/T/EMP(t) IJP(c) JD/WW/JG/00/AT
ACC NR: AP6008114 SOURCE CODE: UR/0139/66/000/001/0132/0136
62

AUTHORS: Shalimova, K. V.; Pavlov, L. P.; Karetnikov, I. A. *61*
8

ORG: Moscow Power Engineering Institute (Moskovskiy energeticheskiy institut)

TITLE: Effect of crystal structure on the photoelectric properties of thin layers of cadmium sulfide *21*

SOURCE: IVUZ. Fizika, no. 1, 1966, 132-136 *21*

TOPIC TAGS: crystal structure, photoelectric property, cadmium sulfide, photoconducting film, spectral distribution, temperature dependence

ABSTRACT: In view of the lack of published data on the effect of the technology of film preparation on the photoelectric properties of films, the authors have investigated the properties of polycrystalline cadmium sulfide films, obtained by thermal evaporation in vacuum, and compared these data with those obtained by x-ray structure and electron-diffraction analysis. The samples were prepared by *2*

Card 1/3

L 24365-66

ACC NR: AP6008114

18 /
thermal evaporation of spectrally pure cadmium sulfide powder in
vacuum at a pressure 10^{-5} mm Hg on glass or quartz substrates. The
substrate temperature ranged from 80 to 500C. The photocurrent spec-
tra were measured at room temperature in continuously applied light
using an optical system with double monochromatization; the results
were automatically recorded with an electronic potentiometer (EPP-09).
The error due to the inertia of the CdS layer was reduced by record-
ing the spectrum at a very slow rate. The spectral distribution of
the photocurrent, the absolute and relative photosensitivity, and the
relaxation time exhibited a strong dependence on the substrate tem-
perature. The higher the temperature, the higher the relative photo-
sensitivity and the smaller the absolute photosensitivity and the
smaller the time constant. These differences were related with the
number of defects in the polycrystalline layers and with their phase
composition. Annealing the layers decreased the photosensitivity in
a wide spectral range. This also points to the influence of the
phase composition. The maximum of the spectral distribution was
close to 550 nm. With increasing percentage of the cubic phase in
the cadmium sulfide, the maximum shifted towards longer wavelengths,

Card. 2/3

I 24365-66
ACC NR: AP6008114

since the maximum of the cubic modification was located near 550 nm.
Orig. art. has: 3 figures and 1 table.

SUB CODE: 20/ SUBM DATE: 05Jan64/ ORIG REF: 004/ OTH REF: 004

Card

3/3 plw

PAVLOV, L. V., PYLAYEV, S. A., POPOV, P. I., AND SHEVCHENKO, F. P.

"Compilation of Photomaps of Relief Regions by Means of Photography of
the Inverse Model of the Location"
Sb. ref. Tsentr. n-i. in-ta geod., aeros'zemki i kartogr., No 1, 1954 35-17

Continuation of work started by the authors in 1952, consisting in printing a single picture of the upper region, marking the zone boundaries, cutting along these boundaries and gluing the cut parts together. This picture serves for the preparation of an inverse model, by leaving the upper zones down and lifting the lower regions. The photography of this model has a minimum of distortion for relief and is processed further by conventional methods.
(RZhAstr, N 10, 1955)

SO: Sum-No. 787, 12 Jan 56

PAVLOV, Lavrentiy Yerofeyevich; KARATYGIN, A.M., kandidat tekhnicheskikh
nauk, nauchnyy redaktor; KONTSEVAYA, E.N., redaktor; KUZ'MIN, D.G.,
tekhnicheskiy redaktor

[Modern devices for inspecting cutting tools] Sovremennoye pribory
dlya kontrolya rezushchego instrumenta. Moskva, Vses. uchebno-
pedagog. izd-vo Trudrezervizdat, 1956. 77 p. (MLRA 10:2)
(Cutting tools)

PAVLOV, LEONID VASIL'YEVICH

LIPATENKOV, Ivan Vasil'yevich; KAPRALOV, Mikhail Karpovich; BITUNOV, Yevgeniy Ivanovich; VAKUROV, Konstantin Viktorovich; KUZOVSKIE, Konstantin Sergeyevich; PAVLOV, Leonid Vasil'yevich; KLOCHKOV, Ivan Nikitich; ZHITS, Margoliya Isayevna; KHROMOV, Vasiliy Vasil'yevich; LIPSHITS, N.V., redaktor; KOPELEVICH, Ye.I., redaktor; DMITRIYeva, N.I., tekhnicheskiy redaktor

[Assembling and adjusting machinery of looms with picker sticks;
work practices of foremen and assistants in the Monin worsted mill]
Ustanovka i naладка механизмов ткацких станков с верхним боем;
обобщенный опыт работы мастеров и помощников мастера Монинского
камвольного комбината. Под ред. Н.В.Липшица. Москва, Гос.научно-
техн.изд-во М-ва легкой промышл. СССР, 1957. 109 п. (MLRA 10:9)
(Looms)

PAVLov, L.Ye.

25(1)

PHASE I BOOK EXPLOITATION

SOV/1519

Semenchenko, Dmitriy Ivanovich, Compiler, Candidate of Technical Sciences

Novoye v voprosakh teorii profilirovaniya i izmereniya chervyachnykh zuboreznykh frez; iz opyta sovmestnoy raboty VNII i MIZ (New Trends in the Theory of Gear Hob Tooth Form Design and Measurement; Combined Experience of VNII and MIZ All-Union/Institute for Scientific Research on Instruments and Moscow Instrument Plant) Moscow, Tsentr. byuro tekhn. informatsii ENIMS, 1958. 65 p. 1,500 copies printed.

Sponsoring Agencies: USSR Gosudarstvennaya planovaya komissiya. Glavnoye upravleniye nauchno-issledovatel'skikh i proyektnykh organizatsiy; Vsesoyuznyy nauchno-issledovatel'skiy instrumental'nyy institut; and Moskovskiy instrumental'nyy zavod.

Ed.: L.Ye. Pavlov; Tech. Ed.: Yu. M. Lazarev.

PURPOSE: The book is intended for toolmakers, technicians, engineers, and designers.

Card 1/4

New Trends in the Theory (Cont.)

SOV/1519

COVERAGE: The book presents an approximate method for designing gear-hob tooth form and describes the measuring of hob tooth form using various instruments. The names of V.A. Shishkov and A.N. Grubin, doctors of technical sciences, are mentioned as having contributed to this field. There are 5 references, all Soviet.

TABLE OF CONTENTS:

I. Problems in the Theory of Tooth Forming	3
Methods of approximate hob-tooth forming of finishing hobs with rectilinear tooth form in longitudinal section	6
Calculation of errors in tooth form of a generated gear caused by approximate Hob-tooth forming	7
Determination of errors in approximate profiling of hobs with rectilinear tooth form in longitudinal section	9
Methods of approximate Hob-tooth forming with rectilinear tooth form in normal section	15

Card 2/4

New Trends in the Theory (Cont.)

SOV/1519

Calculation of errors in hob-tooth form caused by deflection of the front surface from the tangential normal plane	35
II. Measurement of Hob-tooth Form	
Measuring hob-tooth form at the front surface with templates designed for space between teeth	43
Measurement of hob-tooth form with a universal microscope	43
Hob-Tooth form inspection with the Model MA-250 apparatus of the Klingelnberg Company	45
Measuring the relieved surface of the hob-tooth form in longitudinal section	46
Measuring hob-tooth form with Druzhinin's "ID" apparatus	47
Measuring hob-tooth form with the model MUV apparatus of the Leve Company	50
Methods of hob-tooth form inspection	57
Recommendations for changes in GOST3346-46 [standards] pertaining to tooth form design of gear hobs	61
	63

Card 3/4

New Trends in the Theory (Cont.)

SOV/1519

Conclusions

64

Bibliography

66

AVAILABLE: Library of Congress (TJ1186.S46)

GO/1sb
5-25-59

Card 4/4

PAVLOV, Leonid Valentinovich; GERFSENOVA, K.N., red.; KHROMCHENKO, F.I.,
red. izd-va; SUNGUROV, V.S., tekhn. red.

[Using a mine rectifying apparatus for compiling aerophotographic
plans of relief sections] Sostavlenie fotoplanov rel'efnykh uchast-
kov pri pomoshchi gornogo fototransformatora. Moskva, Izd-vo
geodez.lit-ry, 1961. 58 p. (MIRA 15:1)
(Aerial photogrammetry)

PAVLOV, L.Ye.

Investigating sharpened worm gear bats with high-speed steel cutting
Stan.i instr. 02 no.12:30-31 L '71. (MIMU 7-817)
(Metal-cutting tools)

PAVLOV, Leonid Sergeyevich

[Communism and private property] Kommunizm i lichnaya
sobstvennost'. Leningrad, Ob-vo po raspr. polit. i
nauchn. znanii RSFSR, 1962 47 p. (MIRA 16:11)
(Communism) (Property)

PAVLOW, L.V.

Improving the mountain rectifier. Geod.i kart no.2:45-50 F 16.
(MIRA 15:3)
(Rectifiers (Photogrammetry))

(N)

1-4002-44

ACCESSION NR: AP5024436

UR/0286/65/000/015/0156/0156

AUTHORS: Golenkov, A. P.; Pavlov, L. Ye.

10

TITLE: Calibration method for infrasonic hydrophones. Class 74, No. 173640

26
25
B

SOURCE: Byulleten' izobreteniij i tovarnykh znakov, no. 13, 1965, 156

TOPIC TAGS: pressure transducer, infrasonic vibration

ABSTRACT: This Author Certificate presents a calibration method for infrasonic hydrophones by changing the hydrostatic pressure in a liquid. To increase the accuracy and to widen the range of measurements toward high frequencies, the hydrophone is rigidly braced in the cavity of an air-water resonator. Vertical oscillations of the medium are produced in the neck of the resonator. The hydrophone sensitivity, as a ratio of output voltage to the sound pressure acting on the hydrophone input, is determined according to the amplitude of the free surface of the liquid. To exclude the effect of bulk inertial forces in the medium, the level of the free surface of the oscillating liquid in the neck of the resonator is matched to the functional dependence of the measured output voltages of a hydrophone which has the same sensitivity at two frequencies with arbitrary meniscus level and frequency of the first resonance of the air-water resonator.

Card 1/2

UDC: 621.932 654.91/.92

MUR
Card 2/2

L 4003-65 ACCESSION NR: AP5024436	ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut fiziko-tehnicheskikh i radiotekhnicheskikh izmerenii (All-Union Scientific Research Institute of Physical and Radio Technical Measurements)	
SUBMITTED: 03Aug64	ENCL: 00	SUB CODE: GP, IE
NO REF Sov: 000	OTHER: 000	
Card 2/2		

ACC NR: AP7000372

(N)

SOURCE CODE: UR/0413/66/000/022/0162/0162

INVENTOR: Golenkov, A. N.; Pavlov, L. Ye.

ORG: none

TITLE: Device for sound pressure measurement in fluids. Class 74, No. 188865
[announced by the All-Union Scientific Research Institute of Physicotechnical and
Radiotechnical Measurements (Vsesoyuznyy nauchno-issledovatel'skiy institut fiziko-
tekhnicheskikh i radiotekhnicheskikh izmereniy)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 22, 1966, 162

TOPIC TAGS: acoustoelectric transducer, acoustic measurement, underwater sound equipment

ABSTRACT: An Author Certificate has been issued for a device which measures sound pressure in fluids. The device includes a compensating transducer, a sensor of a null indicator, a power supply, and a measuring instrument. To increase the frequency-measuring range, the compensating transducer is made of piezoelectric material and forms the envelope of the device. The null indicator sensor is placed inside the envelope and the space between them filled with hard acoustic material. Orig. art. has: 1 figure. (NP)

SUB CODE: 17, 20/ SUBM DATE: 12Jul65/ ATD PRESS: 5109

Card 1/1

UDC: 681.943

PAVLOV, M.

"Geografiya SSSR (Uchebnik dlya Pedagogicheskikh Uchilishch)", by M. Pavlov
and V. Goroshchenko, Moscow, 1946

II

PAVLOV, M.

Nikolai Khristoforovich Preipich; obituary. Trudy VNIIM no.3:5-6
'48. (MIRA 11:11)
(Preipich, Nikolai Khristoforovich, 1896-1946)

PAVLOV, M. Prof

Prof. of I. P. Pavlov First Leningrad Medical Institute
"A Soviet Discovery and Foreign Falsifiers," Izvestia (1949). Co-author

Current Digest of the Soviet Press, Vol. 1, No. 36, 1949, Page 13.

SO: MLRA

PAVLOV, M.

Works of the Central Peat Experimental Station, (Min of Agri, RSFSR)

Volume 6, 1939, 319 pages, "Methods of Study of Peat Bogs (Part 2)

"The Making of Peat Cadastral Maps." by Pavlov, M.

SO: Botanicheskiy Zhurnal, Vol XXXV, No 1 pp 100-110,
Jan-Feb 1950, Russian bimo per, Moscow/Leningrad (U-5511
12 Feb 1954)

ANGELINA, P., geroy Sotsialisticheskogo Truda, laureat Stalinskoy premii;
TSIMIDANOV, K.; MEL'NIK, V.; MYASNIKOV, F.; YEFREMOV, G.; BOGACH, N.,
geroy Sotsialisticheskogo Truda; ABROSIMOV, V., geroy Sotsialisticheskogo Truda; PAVLOV, M.; ARONOV, L.

Radio network for every machine-tractor station. Radio no.4:6-9 Ap '54.
(MILKA 7:4)

1. Brigadir traktornoy brigady Staro-Beshevskoy MTS, Stalinskoy oblasti, deputat Verkhovnogo Soveta SSSR (for Angelina).
2. Direktor Staro-Beshevskoy MTS, Stalinskoy oblasti (for Tsimidanov).
3. Sekretar' rayonnoego komiteta KPSS po zone Golobskoy MTS, Volynskoy oblasti (for Mel'nik).
4. Direktor Isetskoy MTS, Tyumenskoy oblasti (for Myasnikov).
5. Direktor Pon'kinskoy MTS, Shadrinskogo rayona, Kurganskoy oblasti (for Yefremov).
6. Direktor Kotovskoy MTS, Odesskoy oblasti (for Bogach).
7. Direktor Shestakovskoy MTS, Kirovogradskoy oblasti (for Abrosimov).
8. Glavnyy inzhener Upravleniya sel'skogo khozyaystva Stavropol'skogo kraya (for Pavlov).
9. Direktor Ol'ginskoy MTS, Poltavskogo rayona, Omskoy oblasti (for Aronov).

(Radio) (Machine-tractor stations)

AUTHOR: Pavlyuk, M. SOV-1-31-
TITLE: Automobile Tractor (Universal type) for Sowing
PERIODICAL: Nauka i zhizn, 1958, Nr 9, p 67 (USSR)
ABSTRACT: A tractor operator in the Central Asian Machine Test Station, working alone, raised and harvested 1.5 kg of cotton. Such an outstanding achievement was made possible by the use of the latest methods of scientific communication.

1. Agriculture--USSR 2. Tractors--Applications

Card 1/1

Pavlov, M.

S1 (0), 2(0), 2(10) PHASE I BOOK EXPLOITATION 307/2210

Atomnaya energiya v aviacii [1. Rakety i tsentrifugalnye generatory (Atomic Energy in Aviation and Rocket Propulsion). Collection of articles]. Moscow, Vozdat, Izd-vo M-va Obor., SSSR, 1959. 500 p. (Series: Nauchno-populyarnaya biblioteka.) No. of copies printed not given.

Ed. - Compiler: P.T. Astashkov, Engineer, Lt.-col; Ed.: Ya.M. Todorov; Tech. Ed.: A.M. Davydova.

PURPOSE: This book is intended for officers of the Soviet Armed Forces, members of DGSAV, and the general reader interested in the uses of atomic energy and in the development of aviation and rocket engineering.

CONTENTS: This collection of 46 articles, compiled by 28 Soviet scientists and based chiefly on non-Soviet material, discusses various aspects of the use of atomic energy in rocketry and aviation. The book surveys the development of atomic and thermonuclear weapons and weapon carriers, lays down the principles of anti-atomic defense, and evaluates the application of nuclear energy in aviation and rocketry. Fuel and construction materials, as well as actual physical and technological processes involved, are treated briefly. Fundamentals of atomic warfare and combat tactics are discussed at some length. The book is divided into four parts, of which the last consists chiefly of anti-aircraft propaganda. Section I is devoted to nuclear weapons and their use in aviation. Section II is on anti-atomic defense, especially the defense and counterattack of aircraft and aircraft carriers against radiation. Section III is on the use of nuclear energy in modern aircraft and rocket technology and flight techniques, including some speculations on space travel and on the future. There are 26 figures and 35 non-Soviet references (some in Russian translation).

TABLE OF CONTENTS:

Kazov, A. [Lt. Colonel]. Radiactive Warfare Substances	189
Surikov, B. [Engineer-Lt. Colonel]. Combat Formation of Aircraft	206
When Anti-aircraft Guided Missiles are Being Employed	
Surikov, B. Launching of Aircraft Rockets from Bombers	227
II. EFFECT OF ATOMIC WEAPONS AND ANTI-ATOMIC DEFENSE IN AVIATION	
Pavlenko, M. [Engineer-Lt. Colonel]. Effect of Atomic Weapons on	233
Airfields	
Pavlov, M. Anti-atomic Defense of Airfields	281
Pavlenko, A. [Engineer]. Effect of Heat Radiation from Atomic Explosions on Airfield Installations and Aircraft	250
Zheludov, A. [Doctor, Captain 1st Class]. Smoke Screens as a	
Card 5/9	

(5)

PAVLOV, M.

Using 89 mm hoses. Pozh. delo 5 no. 3:28-30 Mr '59.

(MIRA 12:5)

1.Zamestitel' nachal'nika Upravleniya pozharnoy okhrany Mesgorispekloma.
(Fire engines)

PAVLOV, M.

Establishing consolidated norms for fitting and assembly work.
Sots. trud 5 no.6:69-73 Je '60. (MIRA 13:11)
(Instrument industry--Production standards)

SATEL', E.; PAVLOV, M.; KRIVOSHIEVA, N.

Continuing the discussion on labor organization under conditions
of modern technology. Sots.trud 5 no.8:60-72 Ag '60.

(MIRA 13:11)

(Machinery industry)
(Donets Basin--Coal and coal mining)
(Dneprodzerzhinsk--Metallurgical plants)

PAVLOV, M. (g. Lyubertsy)

Block of variable inductance coils. Radio no.10:54 0 '61.
(MIRA 14:10)
(Electric coils)

PAVLOV, M., inzh.; BALABANOV, I.

Results from application of the standards of square meter in the
"GORUBSO" State Mining Enterprise, Madan. Trud i tseni 3 no.9:73-78
'61.

1. NIB- baza Durzhavno minno predpriiatie "Gorubso", Madan.

(Coal mines and mining)

PAVLOV, M.

Consolidated norms for winding. Sots. trud 6 no.6:78-82
Je '61. (MIRA 16:8)

PAVLOV, M.; ZHEREBTSOV, V.

Introduce standard time norms in industry. Sots. trud 6 no. 11. '81
81 N :61. (MIRA 14. 11)
(Production standards)

PAVLOV, M.

No more dust. Zdorov's 7 no. 9:24 S '61.
(DUST REMOVAL)

(MIRA 14:9)

PAVLOV, M.

On the bank of the Moskva River. Zdorov'e 7 no.10:22 0 '61.
(MOSCOW--HOSPITALS)

PAVLOV, M., kand.tekhn.nauk

Nuclear explosives. Voen.znan. 37 no.6:24 Je '61. (MIRA 14:6)
(Atomic weapons)

PAVLOV, M.

Color in the shop. Zdorov'e 8 no.10:9 0 '62. (MIRA 15:10)
(FACTORIES--DESIGN AND CONSTRUCTION)
(COLOR--PSYCHOLOGY)

PAVLOV, M.

System of storm mooring in the Kholmsk harbor. Mor.flot 22
no.12:18-20 D '62. (MIRA 15:12)

1. Kapitan Kholmskogo porta.
(Kholmsk—Harbor—Anchorage)

PAVLOV, M. (Kostroma)

Jewelers. Mest.prom.i khud.promys. 4 no.2:34-35 F '63.
(MIRA 16:2)

PAVLOV, M.; ZHEREBTSOV, V.

Establishing consolidated norms for electrical installation
work. Sets. trud 8 no.5:99-103 My '63. (MIRA 16:6)

(Electric engineering--Production standards)

PAVLOV, M.

Leafing through old periodicals. Zdorov'e 9 no.1:ll Ja '63.
(MIRA 16:7)
(PUBLIC HEALTH—PERIODICALS)

PAVLOV, M.

Strength, courage and vigor. Zdorov'e 9 no.2:8 P '63.
(MIRA 16:3)
(RUSSIA--ARMED FORCES--SPORTS)

PAVLOV, M.

For the Party, for freedom; the hero Stoian Ludev. Radio i
televiziia 12 no.9:258 '63.

PAVLOV, M.; MEYLAKHS, M.; NOVOBYTOV, A.; SAVCHENKO, V., inzh.

From foreign sources. Grazhd.av. 20 no.12:30-31 D '63.(MIRA 17:2)

UMOV, Aleksey Alekseyevich; PAVLOV, M.A., nauchnyy redaktor.

[Gas fitter's instructions for the Copper stove] Pomoshchnik
gasovshchika u kaupera. Pod nauchnoi red. M.A.Pavlova. Sverdlovsk,
Gos. nauch.-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii.
1947. 423 p.
(Gas--Heating and cooking)

ARKHIPOV, Mikhail Pavlovich, kandidat tekhnicheskikh nauk; POKROVSKIY, G.I., professor, doktor tekhnicheskikh nauk, redaktor; PAVLOV, M.A., redaktor; ANDRIANOV, B.I., tekhnicheskiy redaktor.

[Working principle of atomic weapons and protection against the atomic bomb] Osnovy ustroistva atomnogo oruzhia i protivoatomnaya zashchita. Pod red. G.I.Pokrovskogo. Moskva, Izd-vo DOSAAF, 1956.
84 p.

(Atomic warfare)

(MLR 9:12)

SUSHKEVICH, Mikhail Valer'yevich; PAVLOV, M.A., dotsent, red.; GORA, G.T.,
red.; STEBLYANKO, T.V., tekhn. red.

[Maintenance of tractors] Tekhnicheskii ukhod za traktorami. Pod
red. M.A.Pavlova. Stavropol', Stavropol'skoe knizhnoe izd-vo,
1960. 317 p.
(Tractors—Maintenance and repair) (MIRA 14:7)

PAVLOV, MIKH.

USSR

Member of the Trade Union Committee of the Laminated Plastics Factory, Leningrad
"On Spreading the Experience of Trade Union Work," Pravda, Jan. 14, 1949

Current Digest of the Soviet Press, Vol. 1, No. 3, 1949, page 52. (In CIA Library)

KOROLEV, Georgiy Osipovich, glavnnyy inzhener; PAVLOV, Mikhail Andreyevich;
VOL'FOVSKAYA, V.N., redaktor; PERESYPKINA, Z.D., tekhnicheskiy
redaktor

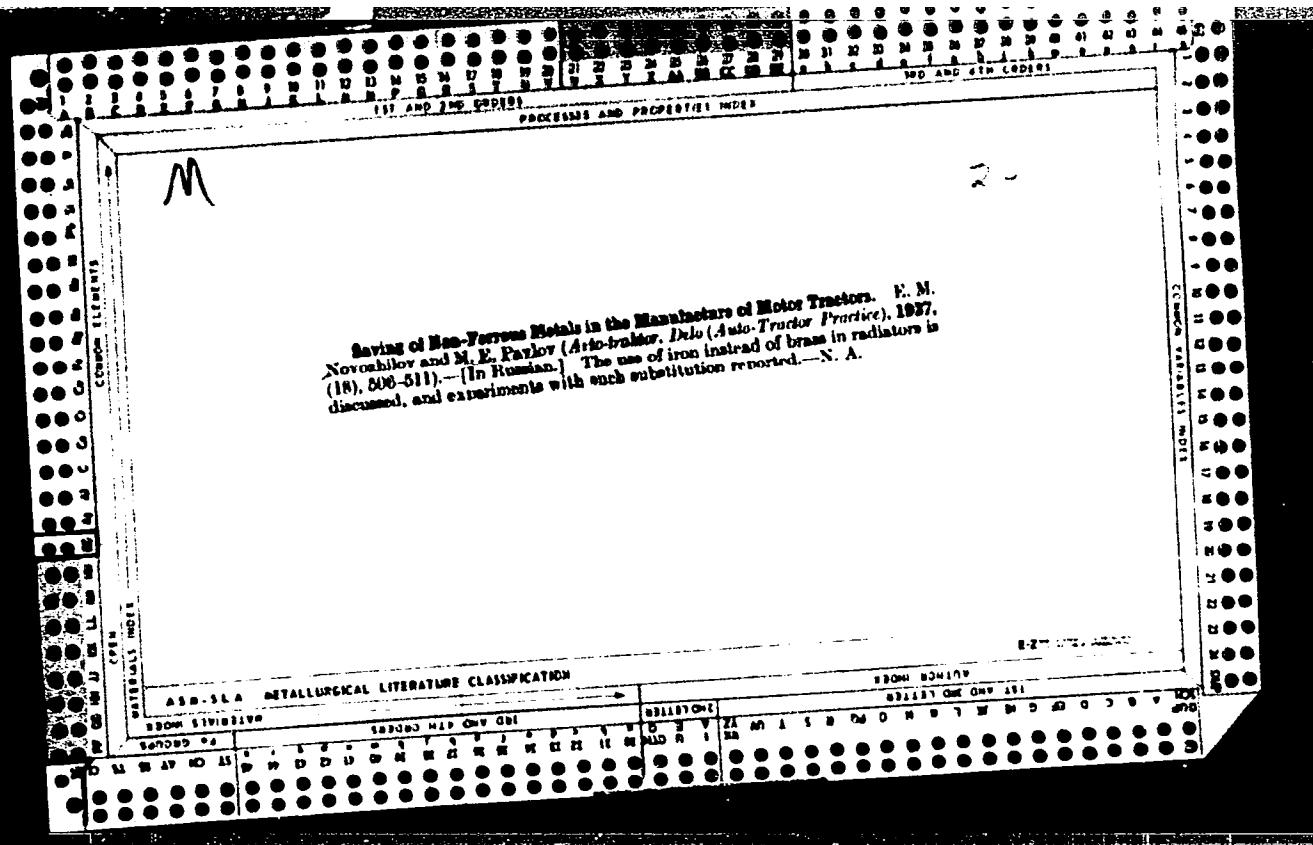
[Over-all mechanization of harvesting; experience in Stavropol
Territory] Kompleksnaya mekhanizatsiya uborki; opyt Stavropol'skogo
kraia. Moskva, Gos. izd-vo selkhoz. lit-ry, 1956. 118 p. (MIRA 9:11)

1. Zamestitel' nachal'nika Stavropol'skogo krayevogo upravleniya
(for Pavlov) 2. Stavropol'skoye krayevoye upravleniye (for Korolev)
(Stavropol' Territory—Harvesting machinery)

PAVLOV, Mikhail Andreyevich; BEREZIN, I.A., red.; AVDEYEVA, V.A.;
tekhn. red.

[In the forefront] Na perednem krae. Moskva, Sovetskaia Rossiia, 1962. 70 p. (Resheniia XXII s"ezda KPSS - v zhizn' !)
(MIRA 15:8)

(Agricultural administration)



PAVLOV, M.P.; KRIVORUK, M.P.

Method of reconditioning the track shoes of the OM-201 excavator.
Rats.i izotr.predl. v stroi. no.79:30-31 '54. (MIRA 8:4)
(Excavating machinery)

PAVLOV, M. IA.

Pavlov, M. IA. Bozrillia USSR; uchebnik dlin po geodesicheskikh uchilishchen. Sest vili
M. IA. Pavlov i V.P. Korolevsko. Tomsk, Tchepetiz, 1946. - 47 p.

SC: LC, Soviet Geography, Part I, 1941, no. 1.

Pavlov, N. I.

Pavlov, N. I., Geograficheskiy atlant, v. 1, izdat. Akademii Nauk SSSR.
Izd. v. Leningr., chp. 1-12, 1940. DLX: 31. 1. 4. 1940.

SO: LC, Soviet Geography, Part I, Vol. 1, 1940.

IVLOV, L. I.

Pavlov, I. I. Prilezhenie i vychislennye... . S. 1-10, 11-12.

ICU Int LH adhJ h AU

SC: LC, Soviet biography, Part I, 1921, und.

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0012396

1. PAVLOV, M.I.
2. USSR (600)
4. Geography & Geology
7. Great waterway in the desert (Main Turkemen Canal. Moskva, Rechizdat, 1952.)
9. Monthly List of Russian Accessions, Library of Congress, February , 1955. Unclassified.

PAVLOV, M. I.

Grinding and Polishing

Machine for lapping flat and cylindrical surfaces. Stan. i instr., 23, no. 4, 1952.

9. Monthly List of Russian Accessions, Library of Congress, November 1973 Uncl.

PAVLOV, Mikhail Ivanovich; DOBRONRAVOVA, K.O., redaktor; GLEYKH,
D.A., tekhnicheskly redaktor.

[Kara Kum Canal] Karakumskii kanal. Moskva, Gos.izd-vo geogr.
lit-ry, 1955. 63 p. (MLRA 8:12)
(Kara Kum Canal)

PAVLOV, M. I.

Works of the Central Peat Experimental Station. (Min of Agri, RSFSR)

Volume V, 1939, 171 pages. "Methods of Studying Peat Bogs (Part I)

"Determining the Amount of Stumps in Peat Beds." by Pavlov, M. I.,

SO: Botanicheskiy Zhurnal, Vol XXV, No 1, pp 100-110,
Jan-Feb 1950, Russian bimonthly, Moscow/Leningrad (U-5511,
12 Feb 1954)

PAVLOV, M. I.

Works of the Central Peat Experiment Station, (Min of Agri, RSFSR)

Volume 6, 1939, 319 pages. "Methods of Study of Peat Bogs (Part 2)

"Technical Specifications for Detailed Survey of Peat Bogs with an
Area of From 10 to 100 Hectares", compiled by A. S. Provorokin,
B. G. Vasil'yev, P. Ye. Loginov, M. Il' Neyshtadt, Ya. N. Sirotkin,
M. I. Pavlov.

SOP Botanicheskiy Zhurnal, Vol XXXV, No 1, pp 100-110,
Jan-Feb 1950, Russian bimonthly, Moscow/Leningrad (U-5511,
12 Feb 1954)

PAVLOV, M. I.

Works of the Central Peat Experimental Station, (Min of Agr, RSFSR)

Volume 6, 1939, 319 pages. "Methods of Study of Peat Bogs (Part 2)

"Technical Specifications for Detailed Survey of Peat Deposits with
an Area over 100 Hectares", (Compiled by B. G. Vasil'yev, P. D.
Varlygin, N. V. Vlastova, B. K. Dunavey, A. S. Provorokin, M. I.
Neyshtadt, L. L. Il'inskiy, L. Ya. Lenin, M. I. Pavlov and A. N.
Chel'tsov).

SO: Botanicheskiy Zhurnal, Vol XXXV, No 1, pp 107-110
Jan-Feb 1950, Russian bimonthly, Moscow/Leningrad (U-5511,
12 Feb 1954)

PAVLOV, M.I., glavnnyy metodist; NIYAZOV, M.K.; YEPREMOV, Yu.K., otvetstvennyy redaktor; CHERNOV, A.V., redaktor; VESKOVA, Ye.I., tekhnicheskiy redaktor

[The "Turkmen S.S.R." pavilion; a guidebook] Pavil'on "Turkmenskaya SSR"; putesvoditel'. Moskva, Gos. izd-vo selkhoz. lit-ry, 1956. 22 p.

1. Moscow. Vsesoyuznaya sel'skokhozyaystvennaya vystavka, 1954-
2. Direktor pavil'ona (for Niyazov)
(Turkmenistan--Agriculture)
(Moscow--Agricultural exhibitions)

PAVLOV, M. I.

PAVLOV, M.I.; KOSOV, N.P.

[Fertilizing field crops in the Tatar A.S.S.R.] Udobrenie polevykh
kul'tur v Tatarskoi ASSR. Kazan', Tatknigoizdat, 1956. 121 p.
(Tatar A.S.S.R.--Fertilizers and manures) (MLRA 10:9)

Pavlov, M.I.

25-9-29/40

AUTHOR: Pavlov, M.I.

TITLE: Hydraulic Pressure Drills in Horticulture (Gidrobury v sadovodstve)

PERIODICAL: Nauka i Zhizn', 1957, # 9, p 53 (USSR)

ABSTRACT: Liquid fertilization in 40 - 50 cm depth is twice as effective as the ordinary method, penetrating only 12 - 18 cm deep into the soil. Mechanical engineer G.L. Shendrikov together with Professor N.D. Kholin demonstrated in 1953 fertilization by hydraulic pressure drills. Such a drill is made of a water pipe of 12 - 25 mm in diameter, which is equipped with a special cone-shaped nozzle. The drill is connected with a movable water tank by a hose. First the liquid is supplied under the pressure of several atmospheres. Such a strong jet can drill a one meter deep hole within 5 - 10 seconds. When the desired depth is reached, the pressure is reduced to 1.5 - 2 atm. A tube of 12 mm in diameter will supply ten liters of fertilizer per minute which is dispersed underground in all directions because of the high pressure. This system of fertilizing has been successfully applied on fruit trees and also to fight the soil phyloxera, the worst disease of the grapevine. In the latter case, toxic chemicals are introduced into the soil to

Card 1/2

Hydraulic Pressure Drills in Horticulture

25-9-29/40

reach the roots of the vine where the disease is located. The poison kills the pest but leaves the plant unharmed. Hydraulically drilled holes can also be used for planting vine saplings.

AVAILABLE: Library of Congress

Card 2/2

PAVLOV, M.I.

Effect of muscle stress on the duration of individual components of the motor reaction of the leg in young athletes. Nov. med. tekhn. no.:25-89 '64.

(VIA 18:1)

PAVLOV, M.I., priyemshchik teplovozov

From our practice in the maintenance and repair of oil pumps.
Elek¹ tepl.tiaga 6 no.2:13-14 F '62. (MIRA 15:2)

1. Depo Liski Yugo-Vostochnoy dorogi.
(Diesel locomotives--Maintenance and repair)

PAVLOV, M.K.

Silver Fox

Experiment in determining types of constitution in silver foxes. Kar. i zver.
5 No. 4, 1952.

9. Monthly List of Russian Accessions, Library of Congress, December 1953, Uncl.
2